LINKSYS®
A Division of Cisco Systems, Inc.

Package Contents

- 10/100 16-Port VPN Router
- User Guide CD-ROM
- AC Power Cable
- Rack Mounting Kit
- Quick Installation
- Registration Card

10/100 16-Port VPN Router

WIRED

Quick Installation

Model No. **RV016**

CISCO SYSTEMS

1 Connect the Router

A Before you begin, make sure that all of your hardware is powered off, including the Router, PCs, hubs, switches, and cable or DSL modem.

B Connect one end of an Ethernet network cable to one of the numbered ports on the front of the Router (see Figure B). Connect the other end to an Ethernet port on a network device, e.g., a PC, print server, hub, or switch.

Repeat this step to connect more PCs or other network devices to the Router.

B

C Connect your cable or DSL modem's Ethernet cable to the Router's Internet port. If using multiple Internet ports, connect a cable to each Internet port you'd like to use, and connect the other end to your modem. See Figure C.

C

D Power on the cable or DSL modem and the other network device if using one.

E Connect the included AC power cable to the Router's Power port on the back of the Router, as shown in Figure E, and then plug the other end of the power cable into an electrical outlet.

The System LED on the front panel will light up as soon as the power adapter is connected properly.

E

2 Configure the Router

Configuring the Router requires the setup instructions provided by your Internet Service Provider (ISP). If you do not have this information, contact your ISP before proceeding.

Your ISP determines how your PC is set up for Internet access. Because you are now using the Router to share Internet access among several computers, you will use the setup information to configure the Router instead of your PC.

A Open your PC's web browser. Enter **http://192.168.1.1** (the Router's default local IP address) in the web browser's *Address* field and press the **Enter** key.

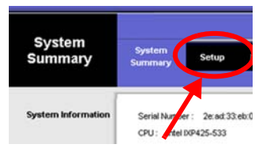
B Enter a User Name and Password on the screen that appears. Enter **admin** (the default) in the the *User Name and Password* fields. Then, click the **OK** button.

C The Router's Web-based Utility will appear with the *System Summary* screen showing. Click on the **Setup** tab, which is the next tab over, then continue with the instruction, below, to complete the *Network* page.

NOTE:: Make sure your PC's Ethernet adapter is set to ***obtain an IP address automatically.*** For more information, refer to Windows Help.

A

B



C

Your Internet/WAN Connection Type

From the *WAN Setting* drop-down menu, select how many WAN ports you want to use. The default is **2**, and the maximum number is 7. You can also change the number of WAN ports using the Port Setup page of the Port Management tab. If you change the number on this screen, then the number on the *Port Setup* screen will change accordingly. Make sure the network configuration matches the number of WAN port settings on this screen.

If you change the number of WAN ports, a confirmation message will appear. Click the **OK** button to save the new setting. You must save this setting before you can click **Edit** to change the settings of any new WAN ports. The Connection Type will display the word "Undefined" if you have not changed the WAN settings of the selected WAN port.

The WAN Setting table will display the WAN port numbers in the Interface column and their respective connection types in the Connection Type column. Click **Edit** in the Config. column to change the WAN settings of the selected WAN port. The default Connection Type of WAN1 and WAN2 is **Obtain an IP automatically**.

The Network Setup screen

In the drop-down menus for WAN1 through WAN7, the WAN Connection Type setting features four Internet connection types: **Obtain an IP automatically**, **Static IP**, **PPPoE**, and **PPTP**. Depending on which connection type you select, the features available on the *Network page* of the *Setup* screen will differ. Proceed to the instructions for the connection type you are using.

1 Obtain an IP Automatically

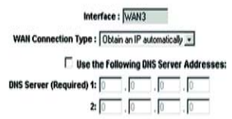
a If your ISP says that you are connecting through DHCP or a dynamic IP address from your ISP, then select **Obtain an IP automatically** as the WAN Connection Type. If you also select Use the Following DNS Server Addresses, enter a specific DNS Server IP Address.

b Click the **Save Settings** button, and go to Step G.

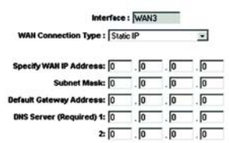
2 Static IP

a If your ISP says that you are connecting through a static or fixed IP address from your ISP, then select **Static IP** as the WAN Connection Type.

b Enter the WAN IP Address, Subnet Mask Default Gateway Address, and DNS Server provided by your ISP.


Interface : WAN3
WAN Connection Type : Obtain an IP automatically
Use the Following DNS Server Addresses:
DNS Server (Required) 1:
2:

Obtain an IP automatically



Static IP

c In the *DNS Server* fields, enter the DNS address(es) provided by your ISP. You need to enter at least one DNS address.

d Click the **Save Settings** button, and go to Step G.

3 PPPoE

a If your ISP says that you are connecting through PPPoE or if you normally enter a user name and password to access the Internet, then select **PPPoE** as the WAN Connection Type.

b Enter the User Name and Password provided by your ISP.

c If you select **Connect on Demand**, the PPPoE connection will be disconnected if it has been idle for a period longer than the Max Idle Time setting.

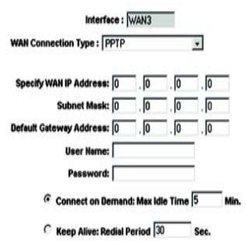
d If you select **Keep Alive**, the Router will keep the connection alive by sending out a few data packets at the Redial Period, so your Internet service thinks that the connection is still active.

e Click the **Save Settings** button.

f Go to Step G.

Interface : WAN3
WAN Connection Type : PPPoE
User Name:
Password:
Connect on Demand: Max Idle Time 5 Min.
Keep Alive: Redial Period 30 Sec.

PPPoE



PPTP

4 PPTP

PPTP is a service used in Europe and Israel only. IF you are using a PPTP connection, check with your ISP for the necessary setup information. When you are finished, go to Step G.

G If you haven't already done so, click the **Save Settings** button. Then, close the web browser.

H Power your cable or DSL modem off and back on again.

I Restart or power on your PCs so they can obtain the Router's new settings.

J To test the Router's settings, open your web browser from any computer. In the browser's Address field, enter *www.linksys.com/registration* and press the **Enter** key.

Congratulations! The installation of the Router is complete.

J

LINKSYS®
A Division of Cisco Systems, Inc.

For additional information or troubleshooting help, refer to the User Guide on the Setup CD-ROM. You can also call or e-mail for further support.

24-hour Technical Support
800-326-7114
(toll-free from US or Canada)
E-mail Support
support@linksys.com
Website
http://www.linksys.com or
http://support.linksys.com
RMA (Return Merchandise Authorization)
http://www.linksys.com/support
FTP Site
ftp://ftp.linksys.com
Sales Information
800-546-5797 (800-LINKSYS)

Linksys is a registered trademark or trademark of Cisco Systems, Inc. and/or its affiliates in the U.S. and certain other countries. Copyright © 2004 Cisco Systems, Inc. All rights reserved.

RV016-QI-40202NC KL